Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Improvements to roads & drains at R.R Layout near Mayura Bakery, Medarahalli, in Ward No.12, in Shettyhalli Sub Division.

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. **P. No. 142/ It No. 19.1/ PWD SR 2016-17**								
	For RCC drain at Mayura bakery	Cum	2	210.00	1.20	1.15	579.60		
	15th cross		**1**	**70.00**	**1.00**	**0.90**	**63.00**		
	Culverts		4	6.30	1.75	1.05	46.31		
							688.91	175.96	**121219.72**
2	KSRB 4-1.3 : **Providing and laying in position plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.3 **Page No.12/ Item No. 4.3/ PWD SR 2016-17**								
	Left side	Cum	2	210.00	1.10	0.15	69.30		
			1	**70.00**	**0.80**	**0.15**	8.40		
	Culverts		4	6.30	1.75	0.15	6.62		
							84.32	5159.02	**434983.00**
3	KSRB 4.2.2 : **Providing and laying in position reinforced cement concrete of design mix M20** with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed - 2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials,								
	For Bottom Left side	Cum	2	210.00	1.05	0.15	66.15		
			1	**70.00**	**0.75**	**0.15**	**7.88**		
	For Side Wall Left side	Cum	4	210.00	0.15	0.90	113.40		
			2	**70.00**	**0.15**	**0.65**	**13.65**		
	Culverts Bottom		4	6.30	1.50	0.15	5.67		
	Culverts Side wall		4	6.30	0.30	0.90	6.80		
	Deck Slab		4	6.30	1.50	0.22	8.32		
							221.87	6491.88	**1440321.00**
4	**Providing and fixing pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading								
	Left side	Cum	2	210.00			420.00		
					Qty		**933**	**331.78**	**309661.00**
5	KSRB 4-6.4 : **Providing and removing centering, shuttering**, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.15/ Item No. 4.31/ PWD SR 2016-17**								
	Left side	Cum	4x2	210.00		0.90	1512.00		
			4	**70.00**		**0.65**	**182.00**		
	Culverts		16	6.30		0.95	92.40		

	sides		6	15.00		0.23	20.70		
							1923.90	310.58	597525.00
							1807.10		561219.00
5	KSRB 4.9.2: **Providing T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars **Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17**									
	For Side Walls	Tonnes		234.54	X	60kgs	14072.40	11059.40	
	For Covering			12.42	X	80kgs	993.60	869.40	1559.25
							15066.00	12596.40	12618.65
							say	74915.50	
							15.07	59413.00	895116.00
6	**Providing & laying reinforeced cement precast slabs** of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications						12.60 tons		943935.00
		Sqm	2	292.00		0.90	525.60		
	Approved Rate of Precast slab	1600.00					525.60	1600.00	840960.00
				70.00	–	0.75	52.50		723240.00
7	**Sub Total**						430.50		4544209.48
									4534919.00
8	**KRIDL Charges @ 8%**								408978.85
									408143.00
9	**Third Party Inspection Charges @ 1%**								45442.09
									45349.00
10	**Miscellaneous and unforeseen charges**								1369.57
								Total	5000000.00
	(Rupees Fifty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2016-17

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Ravi. N.K.
Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. JC/02/A8/DY/ದಿನಾಂಕ : 15/17-18 6/5/17
ರೂ. Fifty Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
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